

AMENDMENTS TO THE CLAIMS

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-14 (canceled)

Claim 15 (currently amended): A method for establishing a virtual electronic teaching system with a central content-server for an e-learning or tele-teaching event and with a workstation (AP) of a person participating in the e-learning or tele-teaching event, utilizing a telecommunication network for connection ~~to a remote station~~ said content-server, the telecommunication network having a main distribution connected to an exchange ~~and with an access multiplexer and/or~~ and a splitter or a splitter connected to or integrated in the main distribution, and with analog or digital telecommunication devices (TE), and an interface circuit (SS) connectable to the telecommunication device (TE) or to the workstation (AP), the interface circuit (SS) has a memory unit (SP) and a microprocessor (MP), and for automatic test done by the interface circuit (SS), ~~the interface circuit being connected to the main distribution via a subscriber circuit, a subscriber modem, a splitter, a network termination (NTBA), and/or subscriber lines (AL), the interface circuit also connected to a workstation (AP) of a person participating in an e-learning or tele-teaching event~~, the method comprises the steps of:

- a) registering the interface circuit (SS) to said content-server by means of a log-in procedure stored in the memory unit (SP);
- b) establishing a connection for the telecommunication device (TE) connected to said main distribution via a subscriber line or subscriber modem and splitter or a network termination (NTBA) and subscriber lines (AL), between the interface circuit (SS) and the remote station said content-server;
- b)c) determining, from a transmitter side, a type of connection pending on the communications interface (MFE) of the interface circuit (SS);
- e)d) transmitting at least one in the memory unit (SP) a stored test signal to

~~the remote station content-server;~~
d)e) evaluating an acknowledgement for the test information received there
returned, in a return direction, by the ~~remote station content-server~~; and
e)f) testing at least a bandwidth available to the telecommunication device
(TE).

Claim 16 (currently amended): The method of claim 15, wherein the interface circuit (SS) tests all available protocols in communication with ~~the said content-server as a~~ remote station and ~~adjust~~ adjusts itself to a protocol proposed by the remote station.

Claim 17 (currently amended): The method of claim 15, wherein, in order to avoid time out problems, the interface circuit (SS) emits a message confirming complete reception of data obtained by said content-server so that the workstation (AP) remains in the tele-teaching or ~~e-Learning~~ e-learning event, even though broadband transmission is not possible.

Claim 18 (previously presented): The method of claim 17, wherein said data comprises an image file.

Claim 19 (currently amended): The method of claim 15, further comprising:
storing an access authorization in said memory unit (SP) of the interface circuit (SS) to secure establishment of the connection and the test process against unauthorized access, and
~~wherein~~ recording the log-in procedure is recorded.

Claim 20 (currently amended): A virtual electronic teaching system, with a central content-server for an e-learning or tele-teaching event and with a workstation (AP) of a person participating in the e-learning or tele-teaching event, using a telecommunication network connected to ~~a remote station~~ said content-server, with a main distribution connected to an exchange (VST) and an access multiplexer ~~and/or~~ and a splitter or a splitter connected to or integrated in the main distribution, the

system comprising:

~~a workstation for a user participating in an e-Learning or tele-teaching event;~~
an analog or digital telecommunication device (TE); and
an interface circuit (SS), with a memory unit (SP) and a microprocessor (MP),
structured and dimensioned for connection to said telecommunication
device (TE), a first end of said interface circuit (SS) being connected to the
main distribution via a subscriber circuit, ~~or~~ a subscriber modem, ~~and~~ a
splitter, ~~or~~ a network termination (NTBA), ~~and/or~~ ~~or~~ subscriber lines (AL)
and a second end of said interface circuit (SS) being connected to said
workstation (AP), wherein the interface circuit (connected via at least a
standardized interface SS) registers itself to said content-server by means
of the log-in procedure stored in the memory unit (SP), and automatically
tests at least a bandwidth available to the telecommunication device (TE)
by transmitting at least one test signal stored in the memory unit (SP) to
said content-server.

Claim 21 (currently amended): The ~~device~~ virtual electronic teaching system
of claim 20, wherein the interface circuit (SS) further comprises ~~a microprocessor, a~~
~~read-only memory, and/or~~ a hard disk, as well as at least one of each type of
conventional plug-type connectors (COM, USB) for connection of the
telecommunication device (TE) to the workstation (AP).

Claim 22 (currently amended): The ~~device~~ virtual electronic teaching system
of claim 21, wherein a read-only memory (SP) is exchangeable.

Claim 23 (currently amended): The ~~device~~ virtual electronic teaching system
of claim 20, wherein an intelligent operating element (BT) is connected to the
interface circuit (SS).

Claim 24 (currently amended): The ~~device~~ virtual electronic teaching system
of claim 20, wherein the interface circuit (SS) is designed as a plug-in card for a
network station or a PC.

Claim 25 (currently amended): The ~~device~~ virtual electronic teaching system of claim 24, wherein the plug-in card comprises at least one microprocessor (MP) and a LAN interface designed as a bus interface, wherein the LAN interface is connected to a PCI bus transmitting control information, wherein a network station or a PC constitutes a host system.

Claim 26 (currently amended): The ~~device~~ virtual electronic teaching system of claim 25, wherein said plug-in card is detected as a LAN card by a plug and play function or by standard drivers when said plug in card is plugged into said host system.

Claim 27 (currently amended): The ~~device~~ virtual electronic teaching system of claim 24, wherein said plug-in card comprises a call number memory with a number of participants ~~and/or~~ or network stations authorized to access data, wherein, depending on a transmitted call number, the call number is verified ~~and/or~~ or the connection is established to the authorized caller.

Claim 28 (currently amended): The ~~device~~ virtual electronic teaching system of claim 24, wherein the plug-in card automatically breaks a connection in case of a pause in transmission lasting longer than a preselected waiting time, and restores the connection when data are once again pending.

Claim 29 (currently amended): The ~~device~~ virtual electronic teaching system of claim 24, wherein, depending on a bandwidth demand, the plug-in card automatically activates additional communication channels to achieve dynamic channel management and bandwidth control.